

THE  
AMERICAN JOURNAL OF PHARMACY,

PUBLISHED BY AUTHORITY OF THE

PHILADELPHIA COLLEGE OF PHARMACY.

EDITED BY

JOSEPH CARSON, M. D.

Prof. Mat. Med. in Phil. Coll. Pharm.

*Vol ix.*  
*or*

NEW SERIES—VOLUME III.

5408



PRINTED BY MERRIHEW AND GUNN,  
No. 7 Carter's Alley.

.....  
1838.

**PUBLISHING COMMITTEE.**

D. B. SMITH,	G. B. WOOD, M.D.,	F. BACHE, M.D.,
C. ELLIS,	JOS. SCATTERGOOD,	ELIAS DURAND,
W. HODGSON, Jr.,	JOHN C. ALLEN,	DILLWYN PARRISH.

---

**CORRESPONDENTS.**

C. ADAMSON and O. HULL, New York ; R. E. GRIFFITH, M.D., late Prof. of Mat. Med. in University of Maryland ; W. R. FISHER, M.D., Prof. of Chem. and Pharm. in the University of Maryland, and G. W. ANDREWS, Baltimore ; J. BIGELOW, M.D., Boston ; J. EBERLE, M.D., Cincinnati ; and R. PETER, M.D., Lexington.

# CONTENTS.



## No. I.

### ORIGINAL COMMUNICATIONS.

Criticisms and suggestions respecting Nomenclature. By Robert Hare, M. D., Professor of Chemistry in the University of Pennsylvania. Also, a letter from the celebrated J. J. Berzelius. . . . .	1
Notes on Falsifications and Adulterations. No. 1. . . . .	17
Capsules of Gelatin. ( <i>Capsules Gelatineuses; Dublanc et Mothes, a Paris.</i> ) By Alfred Guillaou, Graduate of Phil. Coll. Pharm. . . . .	20

### SELECTED ARTICLES.

Note upon the distinctive characters of Calisaya Bark. By M. Guibourt. . . . .	23
On Nitric Ether. By R. Hare, M. D., Professor of Chemistry in the University of Pennsylvania. . . . .	27
Improved Cryophorus. By R. Hare, M. D., Professor of Chemistry in the University of Pennsylvania. . . . .	30
Of the Calagirah or Calageri of India, Vermifuge Seeds preferred to the Semen Contra. By J. J. Viray. . . . .	32
Falsifications of Wine Vinegar and the means of detecting them. By A. Chevallier. . . . .	33
Analysis of Tartar Emetic. By Mr. Richardson. . . . .	44
Extract from a Report made to the Royal Academy of Medicine, July, 1836, upon a method of Purifying Common Manna, and converting it into Flake Manna. By M. Dausse. . . . .	45

New method of preparing Iodic Acid. By Lewis Thompson, Esq. . . . .	49
Extract of a letter from Professor Christison, of Edinburgh, to M. Robiquet, on Gamboge and Scammony. . . . .	50
On the effects of Terrestrial Radiation on the processes of Vegetation; and some account of the Chinese method of propagating Fruit Trees. By J. Murray. . . . .	52
Review of the "Report from the Select Committee on Medical Education, with the Minutes of Evidence and Appendix. Part III. Society of Apothecaries, London. Ordered by the House of Commons to be printed, 13th of August, 1834." . . . .	56
Poisoning by Arsenic employed externally. . . . .	75
Report made to the Society of Medical Chemistry, upon a Note addressed to it, by M. Guyot, a Pharmaceutist of Paris, entitled "Of the Decomposition of Essential Oils by Iodine." . . . .	79
MISCELLANY. . . . .	81

No. II.

ORIGINAL COMMUNICATIONS.

Address delivered to the Graduates of the Phila. Coll. of Pharm., May 8th, 1837. By Daniel B. Smith, Esq., President of the College. . . . .	89
On Lobelia Inflata. By William Procter, Jr. . . . .	98
Remarks on the methods of preparing Iodide of Potassium. By Benjamin F. Hæckley. . . . .	109

SELECTED ARTICLES.

On the choice of Formulæ. By M. D. G. Salles, Pharmacien. . . . .	116
Note upon the preparation of Simple Plaster. By M. A. Gelis. . . . .	124
Action of Re-agents upon the Solutions of the different species of Cinchona occurring in Commerce. By E. F. Anthon. . . . .	128
On the Sources and Composition of Gamboge, with an Examina- tion of some analogous Concrete Juices. By Robert Chris- tison, M. D., Professor of Materia Medica in the University of Edinburgh. . . . .	133
Observations on Sulphurous Ether, and Sulphate of Etherine, (the true Sulphurus Ether.) By R. Hare, M. D., Professor of Chemistry in the University of Pennsylvania. . . . .	148
Of the Reaction of the Essential Oils with Sulphurous Acid, as evolved in union with Ether in the process of Etherification, or otherwise. By R. Hare, M. D., &c. &c. &c. . . . .	156
Review of the "Report from the Select Committee on Medical Education, with the Minutes of Evidence and Appendix." Part III. Society of Apothecaries, London. Ordered by the House of Commons to be Printed, 13th August, 1834. . . . .	161
MINUTES OF THE PHILADELPHIA COLLEGE OF PHARMACY. . . . .	171
MISCELLANY. . . . .	173



## No. III.

## ORIGINAL COMMUNICATIONS.

On Veratrum Viride. By Thomas R. Mitchell. . . . .	181
Description of Swan's Atmospheric Soda Fountain. . . . .	183
Note upon Veratria, and its uses. By Augustine Duhamel. . . . .	186
On Neutral Mixture. By John Goodyear. . . . .	189
Medico-Botanical Notices. No. XIII. . . . .	196

## SELECTED ARTICLES.

Report upon a formula for Vesicating Taffetas. Addressed to the Societe de Pharmacie, by M. Deschamps. By Cap & Sou- beiran. Translated by Augustine Duhamel. . . . .	201
Description of the White Sarsaparilla from Tampico, and of the differences between it and the other varieties. By J. J. Virey. . . . .	206
Results of experiments made upon the Milky Juice of Lettuce. ( <i>Lactuca Sativa</i> , L., the variety termed Roman.) By M. * * *. . . . .	208
On Sassarubrin, a resin evolved by Sulphuric Acid from Oil of Sassafras, which is remarkable for its efficacy in reddening that acid in its concentrated state. By R. Hare, M. D. &c. &c. &c. . . . .	210
Upon Cherry Laurel Water. By M. Faury. . . . .	212
Researches to serve as a history of Sago—and an examination of the substance called Sago of Cayenne, obtained from the Sago Plant of Madagascar. By M. Planche. Read at the Royal Academy of Medicine. Extracted by M. Felix Boudet. . . . .	214
Note upon Coffee. By MM. Robiquet & Boutron. Read at the sitting of the Societe de Pharmacie, February 1, 1837. . . . .	226
Note upon the preparation of Iodine and Bromine. By M. Bussy. . . . .	233
Chemico-legal researches, to determine the presence of very small quantities of Hydrocyanic Acid—either free or combined. By M. Ossian Henry. . . . .	236

# CONTENTS.

vii.

Preparation of Carburet of Sulphur. By G. F. Muller, Lecturer in the School of Medicine at Rotterdam. . . . .	242
Upon the Red and White Oxide of Phosphorus. By G. F. Muller, Lecturer in the School of Medicine at Rotterdam. . . . .	243
Upon the Animal Oil of Dippel. By M. Klauer, Pharmacien at Mulhausen. Extracted by M. Vogel. . . . .	244
Volatile oil of some species of Melaleuca, cultivated in the Botanic Garden of Iena. Conclusions upon the green colour of the oil of Cajeput. By Carl Stickel, of Iena. Extracted by M. Vallet. . . . .	246
Review of the "Report from the Select Committee on Medical Education, with the Minutes of Evidence and Appendix Part III. Society of Apothecaries, London. Ordered by the House of Commons to be Printed, 13th of August, 1834." . . . .	248
Researches on the Chlorides and Oxides of Mercury. By Robert Kane. . . . .	252
MISCELLANY. . . . .	261

## No. IV.

## ORIGINAL COMMUNICATIONS.

Introductory Lecture, delivered in the Chemical Hall of the University of Maryland, October 31st, 1837. By William R. Fisher, M. D., Professor of Chemistry and Pharmacy, Graduate and Associate Member of the Philadelphia College of Pharmacy. . . . .	269
Pharmaceutic Notices. No. xiv. By Augustine Duhamel. . . . .	291
Purification of Cotton Oil. . . . .	297
Some remarks on the Oil of Wild Cherry Bark. By William Procter, Jr. . . . .	298
On a new species of Tacca. By Thomas Nuttall, Esq. . . . .	305

## SELECTED ARTICLES.

Observations on the present state of Pharmacy in Germany. By Robert Kane, M. D. . . . .	309
Extract from a Letter from Mr. William Gregory to M. Robiquet, upon Eblana. . . . .	316
Pharmacopœia of the Royal College of Physicians. London. 1836. . . . .	319
Facts to serve as a Chemical History of Gentian Root. By M. Claude Leconte, Paris. . . . .	333
Bark of Strychnos Nux Vomica, sold in India for the Rohun, or Swietenia Febrifuga. . . . .	345
MINUTES OF THE PHILADELPHIA COLLEGE OF PHARMACY. . . . .	347
MISCELLANY. . . . .	349



69  
91  
07

08  
05

9

6  
9

3

5

7

9



# INDEX I.

## AUTHORS OF ARTICLES IN THE THIRD VOLUME OF THE AMERICAN JOURNAL OF PHARMACY.

<i>Anthou, E. F.</i>	On the action of re-agents upon the solutions of the different species of cinchona, . . .	128
<i>Bailey, J. W.</i>	On a new test for nitric acid, . . .	179
<i>Boutron and Robiquet.</i>	On coffee, . . .	226
<i>Bussy, M.</i>	On iodine and bromine, . . .	233
<i>Cap and Soubeiran.</i>	On a formula for vesicating taffetas, . . .	201
<i>Chevallier, A.</i>	On falsifications of wine vinegar, and the means of detecting them, . . .	33
<i>Christison, Prof.</i>	Letter to M. Robiquet on gamboge and scammony, . . .	50
	On the sources and composition of gamboge, &c., . . .	133
<i>Dausse, M.</i>	On the method of purifying common manna, . . .	45
<i>Duhamel, Augustine.</i>	On veratria, and its uses, . . .	186
	Pharmaceutic Notices, . . .	291
<i>Faury, M.</i>	On cherry laurel water, . . .	212
<i>Fisher, Prof.</i>	Introductory Lecture delivered in the Chemical Hall of the University of Maryland, Oct. 31, 1837, by . . .	269
<i>Gelis, M. A.</i>	On the preparation of simple plaster, . . .	124
<i>Gillou, Alfred.</i>	On capsules of gelatine, . . .	20
<i>Goodyear, John.</i>	On neutral mixture, . . .	189
<i>Gregory, William.</i>	On eblana, . . .	316
<i>Guibourt, M.</i>	On the distinctive characters of Calisaya bark, . . .	23
<i>Guyot, M.</i>	On the decomposition of the essential oils by iodine, . . .	79
<i>Hare, R. M.D., Professor of Chemistry in the University of Pa.</i>		
	On nomenclature, . . .	1
	On nitric ether, . . .	27
	On an improved cryophorus, . . .	30
	On sulphurous ether, &c., . . .	148
	On the re-action of the essential oils with sulphurous acid, . . .	156
	On sassarubrin, . . .	210

<i>Henry, M. Ossian.</i>	Chemico-legal researches to determine the presence of very small quantities of hydrocyanic acid, . . . .	236
<i>Hæckley, B. F.</i>	On the methods of preparing iodide of potassium, . . . .	109
<i>Hodgson, William.</i>	On falsifications and adulterations, . . . .	17
<i>Kane, Robert.</i>	On chlorides and oxides of mercury, . . . .	252
	On the present state of Pharmacy in Germany, . . . .	309
<i>Klauer, M.</i>	On the animal oil of Dippel, . . . .	244
<i>Leconte, M. Claude.</i>	Facts to serve as a chemical history of gentian root, . . . .	333
<i>Long, St. John.</i>	Liniment, . . . .	85
<i>Mitchell, Thos. R. F.</i>	On veratrum viride, . . . .	181
<i>Muller G. F.</i>	On the preparation of carburet of sulphur, . . . .	242
	On red and white oxide of phosphorus, . . . .	240
<i>Murray, J.</i>	On the effects of terrestrial radiation on the processes of vegetation, &c., . . . .	52
<i>Nuttall, Thomas.</i>	On a new species of tacca, . . . .	305
<i>Otto, Prof., of Copenhagen.</i>	Pills and liniment for ascites, . . . .	175
<i>Planche, M.</i>	On sago, . . . .	214
<i>Procter, William, jr.</i>	On lobelia inflata, . . . .	98
	On oil of wild cherry bark, . . . .	298
<i>Richardson, Mr.</i>	Analysis of tartar emetic, . . . .	44
<i>Robiquet, Boutron and.</i>	On coffee, . . . .	226
<i>Stickel, Carl.</i>	On volatile oil of melaleuca, . . . .	246
<i>Salles, M. D. G.</i>	On the choice of formulæ, . . . .	116
<i>Smith, Daniel B.</i>	Address delivered to the Graduates of the Philadelphia College of Pharmacy, by . . . .	89
<i>Swan, S. B.</i>	On a new atmospheric soda fountain, . . . .	183
<i>Thompson, Lewis.</i>	On a new method of preparing iodic acid, . . . .	49
<i>Virey, J. J.</i>	On the calagirah of India, . . . .	32
	On the white sarsaparilla of Tampico, . . . .	206

## INDEX II.

### SUBJECTS OF ARTICLES IN THE THIRD VOLUME OF THE AMERICAN JOURNAL OF PHARMACY.

Acid, hydriodic	- - - - -	175
benzoic	- - - - -	19
iodic, new method of preparing	- - - - -	49
nitric, new test for	- - - - -	179
oxalhydric	- - - - -	350
Address, delivered to the graduates of the Phila. Col. Pharm.		89
Adulterations, notes on falsifications and	- - - - -	17
Adulteration of iodine	- - - - -	82
calamine	- - - - -	173
Air plants	- - - - -	87
Alhagi maurorum	- - - - -	199
Ammonia, production of, during the oxidation of proto-sulphate of iron exposed to the air,	- - - - -	262
Antimonii oxidum	- - - - -	19
Arsenic, poisoning by	- - - - -	75
Asphaltene	- - - - -	84
Assafœtida	- - - - -	261
Ass's milk, composition of	- - - - -	81
Atmospheric soda fountain, description of	- - - - -	183
Balsam of fir	- - - - -	18
Benzoic acid	- - - - -	19
Bitumens, composition of	- - - - -	84
Bromine	- - - - -	233
Calagirah of India	- - - - -	32
Calamine, adulteration of	- - - - -	173
Calisaya bark, distinctive characters of	- - - - -	23
Calomel, obtained by precipitation	- - - - -	198
Capsules of gelatine	- - - - -	20
Carburet of sulphur, preparation of	- - - - -	242
resolutive effects of	- - - - -	264
Chemico-legal researches to determine the presence of very small quantities of hydrocyanic acid	- - - - -	236
Cherry laurel, oil of	- - - - -	81
water	- - - - -	212
Cinchona, action of re-agents on the solutions of	- - - - -	128
Citras potassæ	- - - - -	18



Citric ether	-	-	-	-	-	-	88
Cochineal of Ararat	-	-	-	-	-	-	82
Codeia, formula for syrup of	-	-	-	-	-	-	252
Coffee, note upon	-	-	-	-	-	-	226
College of Pharmacy, minutes of	-	-	-	-	-	-	172, 447
Composition of ass's milk	-	-	-	-	-	-	81
bitumens	-	-	-	-	-	-	84
Coptis teeta	-	-	-	-	-	-	196
Cotton oil, purification of	-	-	-	-	-	-	297
Cryophorus, on an improved	-	-	-	-	-	-	30
Crystallized hydrate of potash	-	-	-	-	-	-	177
Decomposition of essential oils by iodine	-	-	-	-	-	-	79
Digitalis	-	-	-	-	-	-	262
Dippel, animal oil of	-	-	-	-	-	-	244
Eblana,	-	-	-	-	-	-	316
Effervescent magnesia	-	-	-	-	-	-	292
Essential oils, decomposition of	-	-	-	-	-	-	79
re-action of, with sulphurous acid,	-	-	-	-	-	-	156
Essential oils,	-	-	-	-	-	-	178
Ether, citric	-	-	-	-	-	-	88
nitric	-	-	-	-	-	-	27
sulphurous	-	-	-	-	-	-	148
Falsifications and adulterations, notes on	-	-	-	-	-	-	17
Falsifications of wine vinegar, and the means of detecting them	-	-	-	-	-	-	33
Farina mixed with fecula, means of detecting	-	-	-	-	-	-	352
Fir, balsam of	-	-	-	-	-	-	18
Formulae, choice of	-	-	-	-	-	-	116
Fowler's solution	-	-	-	-	-	-	118
Gamboge	-	-	-	-	-	-	50
sources and composition of	-	-	-	-	-	-	135
Gelatine, capsules of	-	-	-	-	-	-	20
Gentian root, facts to serve as a chemical history of	-	-	-	-	-	-	333
Glycerine	-	-	-	-	-	-	362
Guaco, some proofs of the efficacy of	-	-	-	-	-	-	86
Hints to physicians	-	-	-	-	-	-	295
Hydrate of potash	-	-	-	-	-	-	277
Hydriodic acid	-	-	-	-	-	-	175
Hydriodate of potassa, action of, on bisulphate of quinia	-	-	-	-	-	-	353

Hydrocyanic acid, chemico-legal researches to determine the presence of minute quantities of . . .	236
Indigo . . . . .	262
physiological operation of . . . . .	266
Ink, inferiority of English to China . . . . .	82
Iodic solutions . . . . .	292
Iodide of potassium . . . . .	109
of starch . . . . .	177
of quinia . . . . .	267
of lead, toxicological effects of . . . . .	356
Iodine in minerals and plants . . . . .	177
and bromine . . . . .	233
in oil of the liver of the codfish . . . . .	350
Lactuca sativa, experiments on the juice of . . . . .	208
Lead, tannate of . . . . .	261
iodate of, toxicological effects of . . . . .	356
Lecture, introductory, delivered in the Chemical Hall of the University of Maryland, . . . . .	269
Liniment of St. John Long, . . . . .	85
for ascites . . . . .	175
Lobelia inflata . . . . .	98
Manna, method of purifying . . . . .	45
Magnesia, effervescent . . . . .	292
Medical education . . . . .	56, 161, 248
Medico-botanical notices . . . . .	196
Melaleuca, volatile oil of, some species of . . . . .	246
Mercury, protoxide of . . . . .	175
chlorides and oxides of . . . . .	252
Methylene, mucate of . . . . .	85
Minutes of the College of Pharmacy . . . . .	171
Morphia in native green poppy heads . . . . .	82
mode of detecting . . . . .	269
Mother ointment . . . . .	293
Mushrooms, sugar of . . . . .	81
Neutral mixture . . . . .	189
Nitric ether . . . . .	27
Nomenclature, criticisms and suggestions respecting . . . . .	1
Notes on falsifications and adulterations . . . . .	17
Oil of cherry laurel . . . . .	81

Oils, volatile . . . . .	82, 178
Oil of wild cherry bark, preparation of . . . . .	298
Ointment, mother . . . . .	293
Opiate oil . . . . .	175
Opiates . . . . .	294
Oxalhydric acid . . . . .	350
Peas, suppurative . . . . .	349
Petrolene . . . . .	84
Pharmacopœia of the Royal College of Physicians of London, Review of . . . . .	319
Pharmacy, present state of, in Germany . . . . .	309
Phosphorus, red and white oxide of . . . . .	243
Pills of Plummer . . . . .	122
for ascites . . . . .	175
Plaster, simple . . . . .	124
Poisoning by arsenic . . . . .	75
Polygela senega . . . . .	262
Potatoes, essential oil of . . . . .	263
Potassæ citras . . . . .	18
Potassium, iodide of . . . . .	109
Potash, crystallized hydrate of . . . . .	177
Protoxide of mercury . . . . .	175
Pucha pat . . . . .	198
Purifying manna, method of . . . . .	45
Pyrophori of easy formation . . . . .	268
Radiation, effects of terrestrial, on the processes of vegetation . . . . .	52
Review of the Pharmacopœia of the Royal College of Physi- cians of London . . . . .	319
Review of the Report from the Select Committee on Medical Education, with the minutes of Evidence and Appendix, &c. . . . .	56, 161, 248
Researches, chemico-legal, to determine the presence of mi- nute quantities of hydrocyanic acid . . . . .	236
Roses, to obtain large heads to . . . . .	88
Sago . . . . .	214
Sarsaparilla, white, from Tampico . . . . .	206
Sassarubrin, on . . . . .	210
Scabies, ointment for . . . . .	349
Scammony . . . . .	50
Silex . . . . .	263
Simple plaster . . . . .	124

# INDEX.

ccclxiii.

Soda fountain, description of Swan's atmospheric . . .	183
Solution, arsenical, of Fowler . . . . .	118
Strychnos nux vomica, bark of, sold in India for rohun . . .	345
Sulphindilic acid . . . . .	265
Sulphurous ether . . . . .	148
Suppurative peas . . . . .	349
Sugar of mushrooms . . . . .	81
Syrups . . . . .	178
 Tacca, new species of . . . . .	 305
Taccaceæ . . . . .	306
Tartar emetic, analysis of . . . . .	44
Test for nitric acid, new . . . . .	179
Tinctura saponis camphorata . . . . .	291
 Vegetable juices and infusions, method of preserving . . .	 351
Veratria and its uses . . . . .	186
Veratrum viride . . . . .	181
Vesicating taffetas, report upon a formula for . . .	201
Vinegar of wine, falsifications of, &c. . . . .	33
Vinum secalis cornuti . . . . .	291
Volatile oils . . . . .	83
 Zinc, chloride of . . . . .	 294